

BYE-WORD
DA 6550

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO OSHA FORM 174

MANUFACTURED FOR:
Drummond American Corporation
600 Corporate Woods Pkwy.
Vernon Hills, IL 60061

IN CASE OF MEDICAL EMERGENCY CALL:
ROCKY MOUNTAIN POISON & DRUG CENTER
COLLECT AT: (303) 623-5716

IN CASE OF SHIPPING EMERGENCY CALL:
INFOTRAC AT: (800) 535-5053

DATE OF PREPARATION:
06/01/00

INFORMATION TELEPHONE NUMBER
(847) 913-9313

SECTION I - IDENTITY

PRODUCT NUMBER DA 6550
PRODUCT NAME BYE-WORD
PRODUCT CLASS CLEANERS

SECTION II - INGREDIENTS

INGREDIENT	CAS NUMBER	%	ACGIH		MG/ M ³	PEL PPM	STEL PPM
			TLV PPM				
LIGHT ALIPHATIC NAPHTHA SOLVENT	64742-89-8	55-60	300		ND	300	ND
PETROLEUM DISTILLATE (MIDDLE)	64741-44-2	30-35	ND		5	ND	ND
ISOPROPANOL	67-63-0	4-8	ND		ND	400	ND
CARBON DIOXIDE	124-38-9	3-5	5000		ND	5000	15000

S.A.R.A. TITLE III, SECTION 313:
THIS PRODUCT CONTAINS NO LISTED
CHEMICALS SUBJECT TO REPORTING.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (degrees F): ND
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: < butyl acetate
PERCENT VOLATILE (By Weight): N/A WEIGHT PER GALLON (LBS): 6.66

OPTIONAL INFORMATION:

Appearance and Odor: Clear colorless liquid with fruity fragrance
Specific Gravity: 0.80-0.81
Solubility in Water (% by weight): < 3
Vapor Pressure (psig @ 70°F): 110
VOC % (by weight): 97%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA CLASS N/A
DOT CLASS ORM-D

U.N. CLASSIFICATION:

PER DOT N/A
PER IMCO N/A

FLASH POINT: < 0øF

LEL: 0.6

UEL: 12.0

AEROSOL PRODUCT: TREAT AS CYLINDER OF COMPRESSED GAS

EXTINGUISHING MEDIA: CO2 ALCOHOL FOAM DRY CHEMICAL

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Containers exposed to extreme temperatures (above 120øF) may explode. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling site.

SPECIAL FIREFIGHTING PROCEDURE:

Firefighters should wear self contained positive-pressure breathing apparatus and full face shield. Wear full protective clothing, including helmet. Evacuate unnecessary personnel. Shut off all sources of ignition if possible. Ventilate area. Keep containers cool to prevent bursting.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARD DECOMPOSITION PRODUCTS:

Carbon oxides may be formed.

CONDITIONS TO AVOID:

Avoid high temperatures (above 120øF), open flames and direct sunlight.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizing agents, selected amines, strong acids or bases.

D.O.T. EMERGENCY RESPONSE INFORMATION:

*** NOT APPLICABLE ***

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT: Prolonged or repeated contact may cause redness, swelling, blistering, itching and dryness. May be absorbed through the skin in harmful amounts. EYE CONTACT: Causes moderate irritation. INHALATION: May be harmful and cause delayed lung

injury. Symptoms include headache, nasal and respiratory irritation, nausea, drowsiness, breathlessness, fatigue, pneumonitis, central nervous system depression, convulsions and loss of consciousness. INGESTION: May cause symptoms similar to those for inhalation.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION

MEDICAL CONDITIONS PRONE TO OVEREXPOSURE:

Preexisting eye, skin, kidney, and liver disorders may be aggravated by exposure to this product.

TARGET ORGANS AFFECTED:

None known.

CARCINOGENICITY:

IARC - No

NTP - No

OSHA - No

EMERGENCY AND FIRST AID PROCEDURES:

SKIN / EYE CONTACT: Immediately flush with large amounts of water.

If irritation is severe or persists, call a physician immediately.

INHALATION: Move to fresh air. Give oxygen or artificial respiration if needed. Get medical attention immediately if symptoms persist.

INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate area, especially low areas where vapors may collect.

Extinguish all ignition sources. Wear appropriate protective clothing. Contain spill. Pick-up with inert absorbent material and place in an approved DOT container for disposal. Clean up any residue.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations.

Do not puncture or incinerate container. In event of uncontrolled release, the user should determine if release is reportable. US EPA Hazardous Waste number for liquid concentrate is D001.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Wear a NIOSH approved organic vapor respirator if exposure limits (TLV/PEL) are exceeded.

VENTILATION:

Local exhaust ventilation is recommended.

PROTECTIVE GLOVES:

Impervious lined rubber gloves are recommended (e.g. buna, nitrile)

EYE PROTECTION:

ANSI approved safety goggles are recommended if exposure is likely.

OTHER PROTECTIVE EQUIPMENT:

Wear impervious clothing to prevent prolonged or repeated skin contact.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING OR USING THE WASHROOM. SMOKE ----
IN SMOKING AREAS O N L Y .

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep away from heat, sparks and open flame. Do not store in temperatures exceeding 120°F or in direct sunlight. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist or vapor.

OTHER PRECAUTIONS:

Keep out of reach of children. Read entire label before use.

SECTION X - OTHER INFORMATION

-----NFPA INDEX-----	PREPARED BY:	Heather Buck
HEALTH 2		Drummond American Corporation
FLAMMABILITY 4		600 Corporate Woods Parkway
REACTIVITY 0		Vernon Hills, Illinois 60061
TLV	Threshold Limit Value	
PEL	Permissible Exposure Level	
NFPA	National Fire Protection Association	
CAS	Chemical Abstract Service	
NTP	National Toxicology Program	
OSHA	Occupational Safety and Health Admin.	
IARC	International Agency for Research on Cancer	
STEL	Short Term Exposure Limit, duration is for 15 minutes	
M ³	Approximate milligrams of substance per cubic meter of air	
ND	No Data	--NFPA HAZARD INDEX--
LEL	Lower Explosive Level	SEVERE HAZARD 4
NE	Not Established	SERIOUS HAZARD 3
PPM	Parts Per Million	MODERATE HAZARD 2
D.O.T.	Department of Transportation	SLIGHT HAZARD 1
N/A	Not Applicable	MINIMAL HAZARD 0□